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IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Gurov
Serial Number: 10/030,379
Filed: January 2, 2002
Title: Multiple Element Rectification Circuit
TC/A.U: 2838
Examiner: Adolf D. Berhane

Assignee: Advanced Energy Industries, Inc.
Attorney Docket: AEI VRM USNP1
Customer No. 33549

TERMINAL DISCLAIMER UNDER 37 C.F.R. § 1.321(c)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Assignee, Advanced Energy Industries, Inc. is the owner of 100 percent interest in the above-captioned application. Assignee hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. §§ 154-156 and § 173, as presently shortened by any terminal disclaimer of prior US Patent No. US Pat. No. 6,307,757. Assignee hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, Assignee does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. §§ 154-156 and § 173 of the prior patent, as presently shortened by any terminal disclaimer, in the event that either later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is subsequently statutorily disclaimed in whole or terminally disclaimed under 37 CFR § 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

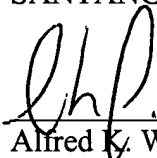
Funds in the amount of \$110.00 are enclosed in accordance with 37 C.F.R. § 1.20(d).

05/10/2004 SSESHE1 00000036 501539 10030379

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Dated this 7th day of June, 2004.

Respectfully Submitted,
SANTANGELO Law Offices, P.C.

A handwritten signature in black ink, appearing to read "A. Wiedmann Jr.", is written over a horizontal line.

Alfred K. Wiedmann Jr.
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CERTIFICATE OF EXPRESS MAILING

I, Michael Blackmore, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.
2. I have this day deposited the attached Terminal Disclaimer Under 37 C.F.R. § 1.321(c) with the United States Postal Service as "Express Mail," postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Dated this 7th day of June, 2004


Michael Blackmore